

# Declaration and Power of Attorney for Patent Application

## 特許出願宣言書

### Japanese Language Declaration

私は、下欄に氏名を記載した発明として、以下の通り宣言する：

私の住所、郵便の宛先および国籍は、下欄に氏名に続いて記載したとおりであり、

名称の発明に関し、請求の範囲に記載した特許を求める主題の本来の、最初にして唯一の発明者である（一人の氏名のみが下欄に記載されている場合）か、もしくは本来の、最初にして共同の発明者である（複数の氏名が下欄に記載されている場合）と信じ、

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

その明細書を  
(該当するほうに印を付す)

☐ ここに添付する。

☐ \_\_\_\_\_ 日に出願番号

第 \_\_\_\_\_ 号として提出し、

\_\_\_\_\_ 日に補正した。  
(該当する場合)

私は、前記のとおり補正した請求の範囲を含む前記明細書の内容を検討し、理解したことを陳述する。

私は、連邦規則法典第37部第1章第56条(a)項に従い、本願の審査に所要の情報を開示すべき義務を有することを認める。

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Grinding Sludge Compacting Machine

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

the specification of which  
(check one)

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as

Application Serial No. \_\_\_\_\_

and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

# Japanese Language Declaration

私は、合衆国法典第35部第119条、第172条、又は第365条に基づき下記の外国特許出願又は発明者証出願の外国優先権利益を主張し、さらに優先権の主張に係わる基礎出願の出願日前の出願日を有する外国特許出願又は発明者証出願を以下に明記する：

I hereby claim foreign priority benefits under Title 35, United States Code §119, §172 or §365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior foreign applications  
先の外国出願

			Priority claimed 優先権の主張	
2001-202058 (Number) (番 号)	JAPAN (Country) (国 名)	03/07/2001 (Day/Month/Year Filed) (出願の年月日)	<input checked="" type="checkbox"/> Yes あり	<input type="checkbox"/> No なし
2001-262931 (Number) (番 号)	JAPAN (Country) (国 名)	31/08/2001 (Day/Month/Year Filed) (出願の年月日)	<input checked="" type="checkbox"/> Yes あり	<input type="checkbox"/> No なし
_____ (Number) (番 号)	_____ (Country) (国 名)	_____ (Day/Month/Year Filed) (出願の年月日)	<input type="checkbox"/> Yes あり	<input type="checkbox"/> No なし
_____ (Number) (番 号)	_____ (Country) (国 名)	_____ (Day/Month/Year Filed) (出願の年月日)	<input type="checkbox"/> Yes あり	<input type="checkbox"/> No なし
_____ (Number) (番 号)	_____ (Country) (国 名)	_____ (Day/Month/Year Filed) (出願の年月日)	<input type="checkbox"/> Yes あり	<input type="checkbox"/> No なし

私は、合衆国法典第35部第120条に基づき下記の合衆国特許出願の利益を主張し、本願の請求の範囲各項に記載の主題が合衆国法典第35部第112条第1項に規定の態様で先の合衆国出願に開示されていない限度において、先の出願の出願日と本願の国内出願日又はPCT国際出願日の間に公表された近邦規則法典第37部第1章第56条(a)項に記載の所要の情報を開示すべき義務を有することを認める。

I hereby claim the benefit of Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose any material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (出願番号)	(Filing Date) (出願日)	(現 況) (特許済み、係属中、放棄済み)	(Status) (patented, pending abandoned)
_____ (Application Serial No.) (出願番号)	_____ (Filing Date) (出願日)	_____ (現 況) (特許済み、係属中、放棄済み)	_____ (Status) (patented, pending abandoned)

私は、ここに自己の知識に基づいて行った陳述がすべて真実であり、自己の有する情報及び信ずるところに従って行った陳述が真実であると信じ、更に故意に虚偽の陳述等を行った場合、合衆国法典第18部第1001条により、罰金もしくは禁固に処せられるか、又はこれらの刑が併科され、又はかかる故意による虚偽の陳述が本願ないし本願に対して付与される特許の有効性を損なうことがあることを認識して、以上の陳述を行ったことを宣言する。

I hereby declare that all statements made herein of my own knowledge are true; and further that all statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

# Japanese Language Declaration

委任状: 私は、下記発明者として、以下の代理人をここに  
選任し、本願の手続きを遂行すること並びにこれに関する一  
切の行為を特許商標局に対して行うことを委任する。  
(代理人氏名及び登録番号を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby  
appoint the following attorney(s) and/or agent(s) to  
prosecute this application and transact all business in the  
Patent and Trademark Office connected therewith. (list  
name and registration number)

I hereby appoint John H. Mion, Reg. No. 18,879; Donald E. Zinn, Reg. No. 19,046; Thomas J. Macpeak, Reg. No. 19,292;  
Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olsey, Reg.  
No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Robert G. McMorrow, Reg. No. 19,093;  
Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No.  
26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710;  
Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit,  
Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William  
H. Mandir, Reg. No. 32,156; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg.  
No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; and Brett S. Sylvester, Reg. No. 32,765, my  
attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and  
request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100  
Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202.

書類の送付先:

Send Correspondence to:

SUGHRUE, MION, ZINN, MACPEAK & SEAS  
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037

直通電話連絡先: (名称及び電話番号)

Direct Telephone Calls to: (name and telephone number)

(202)293-7060

唯一の又は第一の発明者の氏名	Full name of sole or first inventor	Kanji NAKAMURA
同発明者の署名	Inventor's signature	<i>Kanji Nakamura</i>
日付	Date	JUNE 24, 2002
住所	Residence	Iwata-shi, SHIZUOKA, JAPAN
国籍	Citizenship	JAPAN
郵便の宛先	Post office address	c/o NTN CORPORATION
		1578 Higashikaizuka, Iwata-shi, SHIZUOKA 438-0037 JAPAN
第二の共同発明者の氏名 (該当する場合)	Full name of second joint inventor, if any	Katsuhiro SUZUKI
同第二発明者の署名	Second inventor's signature	<i>Katsuhiro Suzuki</i>
日付	Date	JUNE 24, 2002
住所	Residence	Iwata-shi, SHIZUOKA, JAPAN
国籍	Citizenship	JAPAN
郵便の宛先	Post office address	c/o NTN CORPORATION
		1578 Higashikaizuka, Iwata-shi, SHIZUOKA 438-0037 JAPAN

(第三又はそれ以降の共同発明者に対しても同様な情報  
および署名を提供すること。)

(Supply similar information and signature for third and  
subsequent joint inventors.)

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**  
**AND REVOCATION OF PRIOR POWERS**

Honorable Commissioner of  
Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As assignee of record of the entire right, title, and interest, the undersigned corporation hereby revokes all previous powers of attorney and appoints the attorneys and/or agents of Staas & Halsey LLP, under USPTO customer No. 21,171, to prosecute and transact all business in the U.S. Patent and Trademark Office for the following listed patent applications:

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE
1761.1001	09/944,589	September 4, 2001	Takayuki NORIMATSU	WHEEL BEARING ASSEMBLY
1761.1002	09/993,715	November 27, 2001	Yoshihisa KUDO, et al.	WORKSHOP FACILITY DESIGN AND OPERATION SUPPORT SYSTEM ENABLING VERIFICATION OF THE ENTIRE WORKSHOP TO BE PERFORMED EASILY
1761.1003	10/300,902	November 21, 2002	Kazuyoshi HARIMOTO, et al.	CONNECTING ROD AND BEARING-EQUIPPED CONNECTING ROD
1761.1004	09/880,931	June 15, 2001	Yasuhiro GOTOU, et al.	MACHINE COMPONENT MONITORING, DIAGNOSING AND SELLING SYSTEM
1761.1005	09/995,678	November 29, 2001	Takashi HOSOYA, et al.	CONSTANT VELOCITY UNIVERSAL JOINT
1761.1006	10/387,563	March 14, 2003	Yoshio FUJIKAWA, et al.	BEARING ASSEMBLY EQUIPPED WITH ROTATION SENSOR CAPABLE OF DETECTING HOME POSITION
1761.1007	10/377,755	March 4, 2003	Kenichi IWAMOTO, et al.	BEARING ASSEMBLY WITH ELECTRIC POWER GENERATOR
1761.1008	10/382,505	March 7, 2003	Masatoshi MIZUTANI, et al.	ROTATION DETECTING DEVICE AND WHEEL SUPPORT BEARING ASSEMBLY USING THE SAME

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE
1761.1009	10/299,836	November 20, 2002	Katsufumi ABE	ROCKER ARM
1761.1010	10/059,249	January 31, 2002	Masatoshi NIINA	SHELL TYPE ROLLER BEARING ASSEMBLY
1761.1011	10/098,369	March 18, 2002	Yasuaki TAKAHASHI, et al.	CAGED ROLLER ASSEMBLY AND REDUCTION GEAR UNIT USING THE SAME
1761.1012	10/634,762	August 3, 2003	Masahiko KATAOKA, et al.	ROCKER ARM
1761.1013	10/382,656	March 7, 2003	Toru TAKAHASHI, et al.	ROTATION DETECTING DEVICE AND ANTI-SKID BRAKING SYSTEM USING THE SAME
1761.1014	10/377,757	March 4, 2003	Hidehiko NISHIJIMA, et al.	FOIL BEARING AND SPINDLE DEVICE USING THE SAME
1761.1015	10/090,752	March 6, 2002	Hisashi OHTSUKI, et al.	WHEEL SUPPORT BEARING ASSEMBLY
1761.1016	09/972,949	October 10, 2001	Ryutaro OKA	BEARING ASSEMBLY WITH TEMPERATURE SENSOR
1761.1017	10/321,553	December 18, 2002	Takashi KOIKE, et al.	SENSOR-EQUIPPED BEARING ASSEMBLY AND MOTOR USING THE SAME
1761.1018	10/251,800	September 23, 2002	Tatsuo NAKAJIMA	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME
1761.1019	10/091,579	March 7, 2002	Koichi OKADA, et al.	WHEEL SUPPORT BEARING ASSEMBLY
1761.1020	10/013,552	December 13, 2001	Takashi NOZAKI, et al.	WHEEL SUPPORT ASSEMBLY FOR TRANSMITTING A DRIVE FORCE FROM AN ELECTRIC MOTOR TO A WHEEL
1761.1021	09/709,390	November 13, 2000	Hisashi OHTSUKI, et al.	WHEEL BEARING AND SEALING DEVICE THEREFOR
1761.1021D	10/607,198	June 27, 2003	Hisashi OHTSUKI, et al.	WHEEL BEARING AND SEALING DEVICE THEREFOR
1761.1022	10/185,015	July 1, 2002	Kanji NAKAMURA, et al.	GRINDING SLUDGE COMPACTING MACHINE
1761.1023	10/244,472	September 17, 2002	Takayuki NORIMATSU	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME
1761.1024	09/989,458	November 21, 2001	Isamu YOSHIDA, et al.	POWERED STEERING DEVICE AND BALL SCREW MECHANISM THEREFOR

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE
1761.1025	09/835,390	April 17, 2001	Shoji ITOMI	ROTATIONAL ANGLE SENSOR ASSEMBLY
1761.1026	10/621,404	July 18, 2003	Sadaji KATOGL, et al.	WHEEL SUPPORT BEARING ASSEMBLY
1761.1027	10/033,910	January 3, 2002	Michio IHARA, et al.	METHOD OF MANUFACTURING OUTER RACES FOR TRIPOD-TYPE CONSTANT VELOCITY UNIVERSAL JOINTS
1761.1028	10/317,114	December 12, 2002	Koichi OKADA	VEHICLE MOUNTED BEARING ASSEMBLY
1761.1029	09/838,340	April 20, 2001	Kanji NAKAMURA, et al.	RECYCLE OF GRINDING SLUDGE
1761.1031	09/638,019	August 15, 2000	Hisashi OHTSUKI, et al.	SEALING DEVICE FOR A BEARING
1761.1031D	10/254,579	September 26, 2002	Hisashi OHTSUKI, et al.	SEALING DEVICE FOR A BEARING
1761.1048	10/649,675	August 28, 2003	Katsafumi ABE	ROCKER ARM
1761.1049	10/654,965	September 5, 2003	Hisashi OHTSUKI	WHEEL SUPPORT BEARING ASSEMBLY

All correspondence and telephone communications should be directed to:

STAAS & HALSEY LLP  
1201 New York Avenue, N.W.  
Suite 700  
Washington, D.D. 20005  
Telephone: (202) 434-1512  
Facsimile: (202) 434.1501

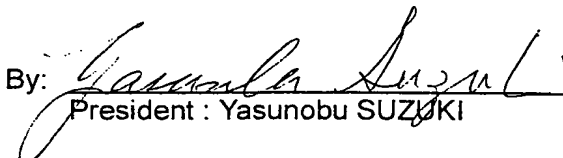
USPTO Customer No. 21171

#### ASSIGNEE CERTIFICATION

The undersigned assignee further states that the registered attorneys and/or agents, identified in the new power of attorney above, are empowered and authorized to sign the statement(s) and certification(s) under 37 C.F.R. §3.73(b) on behalf of the assignee. Attached to this power is/are "CERTIFICATE(S) UNDER 37 C.F.R. §3.73(b)".

NTN CORPORATION

Dated November 7, 2003

By:   
President : Yasunobu SUZUKI  
3-17, Kyomachibori 1-chome  
Nishi-ku, Osaka-shi, Osaka 550-0003  
JAPAN

**STATEMENT AND CERTIFICATION UNDER 37 C.F.R. §3.73(b)**

Honorable Commissioner of  
Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This statement hereby certifies that the below-listed patent applications are owned and continue to be owned by the Assignee, NTN CORPORATION, by way of Inventor Assignments identified below:

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE	ASSIGNMENT RECORDATION DATE	REEL/FRAME
1761.1001	09/944,589	September 4, 2001	Takayuki NORIMATSU	WHEEL BEARING ASSEMBLY	September 4, 2001	012151/0427
1761.1002	09/993,715	November 27, 2001	Yoshihisa KUDO, et al.	WORKSHOP FACILITY DESIGN AND OPERATION SUPPORT SYSTEM ENABLING VERIFICATION OF THE ENTIRE WORKSHOP TO BE PERFORMED EASILY	November 27, 2001	012327/0304
1761.1003	10/300,902	November 21, 2002	Kazuyoshi HARIMOTO, et al.	CONNECTING ROD AND BEARING-EQUIPPED CONNECTING ROD	November 21, 2002	013515/0851
1761.1004	09/880,931	June 15, 2001	Yasuhiro GOTOU, et al.	MACHINE COMPONENT MONITORING, DIAGNOSING AND SELLING SYSTEM	June 15, 2001	011919/0387
1761.1005	09/995,678	November 29, 2001	Takashi HOSOYA, et al.	CONSTANT VELOCITY UNIVERSAL JOINT	November 29, 2001	012329/0927
1761.1006	10/387,563	March 14, 2003	Yoshio FUJIKAWA, et al.	BEARING ASSEMBLY EQUIPPED WITH ROTATION SENSOR CAPABLE OF DETECTING HOME POSITION	March 14, 2003	013867/0861
1761.1007	10/377,755	March 4, 2003	Kenichi IWAMOTO, et al.	BEARING ASSEMBLY WITH ELECTRIC POWER GENERATOR	March 4, 2003	013837/0239
1761.1008	10/382,505	March 7, 2003	Masatoshi MIZUTANI, et al.	ROTATION DETECTING DEVICE AND WHEEL SUPPORT BEARING ASSEMBLY USING THE SAME	N/A	N/A
1761.1009	10/299,836	November 20, 2002	Katsufumi ABE	ROCKER ARM	November 20, 2002	013511/0973
1761.1010	10/059,249	January 31, 2002	Masatoshi NIINA	SHELL TYPE ROLLER BEARING ASSEMBLY	January 31, 2002	012555/0324

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE	ASSIGNMENT RECORDATION DATE	REEL/FRAME
1761.1011	10/098,369	March 18, 2002	Yasuaki TAKAHASHI, et al.	CAGED ROLLER ASSEMBLY AND REDUCTION GEAR UNIT USING THE SAME	March 18, 2002	012718/0252
1761.1012	10/634,762	August 3, 2003	Masahiko KATAOKA, et al.	ROCKER ARM	N/A	N/A
1761.1013	10/382,656	March 7, 2003	Toru TAKAHASHI, et al.	ROTATION DETECTING DEVICE AND ANTI-SKID BRAKING SYSTEM USING THE SAME	March 7, 2003	013864/0240
1761.1014	10/377,757	March 4, 2003	Hidehiko NISHIJIMA, et al.	FOIL BEARING AND SPINDLE DEVICE USING THE SAME	N/A	N/A
1761.1015	10/090,752	March 6, 2002	Hisashi OHTSUKI, et al.	WHEEL SUPPORT BEARING ASSEMBLY	March 6, 2002	012672/0938
1761.1016	09/972,949	October 10, 2001	Ryutaro OKA	BEARING ASSEMBLY WITH TEMPERATURE SENSOR	October 10, 2001	012249/0530
1761.1017	10/321,553	December 18, 2002	Takashi KOIKE, et al.	SENSOR-EQUIPPED BEARING ASSEMBLY AND MOTOR USING THE SAME	December 18, 2002	013623/0219
1761.1018	10/251,800	September 23, 2002	Tatsuo NAKAJIMA	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME	September 23, 2002	013321/0628
1761.1019	10/091,579	March 7, 2002	Koichi OKADA, et al.	WHEEL SUPPORT BEARING ASSEMBLY	October 21, 2002	013421/0618
1761.1020	10/013,552	December 13, 2001	Takashi NOZAKI, et al.	WHEEL SUPPORT ASSEMBLY FOR TRANSMITTING A DRIVE FORCE FROM AN ELECTRIC MOTOR TO A WHEEL	March 22, 2002	012712/0321
1761.1021	09/709,390	November 13, 2000	Hisashi OHTSUKI, et al.	WHEEL BEARING AND SEALING DEVICE THEREFOR	November 13, 2000	011309/0694
1761.1021 D	10/607,198	June 27, 2003	Hisashi OHTSUKI, et al.	WHEEL BEARING AND SEALING DEVICE THEREFOR	N/A	N/A
1761.1022	10/185,015	July 1, 2002	Kanji NAKAMURA, et al.	GRINDING SLUDGE COMPACTING MACHINE	July 1, 2002	013070/0994
1761.1023	10/244,472	September 17, 2002	Takayuki NORIMATSU	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME	September 17, 2002	013309/0541
1761.1024	09/989,458	November 21, 2001	Isamu YOSHIDA, et al.	POWERED STEERING DEVICE AND BALL SCREW MECHANISM THEREFOR	November 21, 2001	012319/0071
1761.1025	09/835,390	April 17, 2001	Shoji ITOMI	ROTATIONAL ANGLE SENSOR ASSEMBLY	April 17, 2001	011719/0663
1761.1026	10/621,404	July 18, 2003	Sadaji KATOGLI, et al.	WHEEL SUPPORT BEARING ASSEMBLY	N/A	N/A



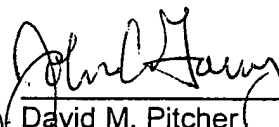
DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE	ASSIGNMENT RECORDATION DATE	REEL/FRAME
1761.1027	10/033,910	January 3, 2002	Michio IHARA, et al.	METHOD OF MANUFACTURING OUTER RACES FOR TRIPOD-TYPE CONSTANT VELOCITY UNIVERSAL JOINTS	January 3, 2002	012433/0163
1761.1028	10/317,114	December 12, 2002	Koichi OKADA	VEHICLE MOUNTED BEARING ASSEMBLY	December 12, 2002	013573/0773
1761.1029	09/838,340	April 20, 2001	Kanji NAKAMURA, et al.	RECYCLE OF GRINDING SLUDGE	April 20, 2001	011734/0370
1761.1031	09/638,019	August 15, 2000	Hisashi OHTSUKI, et al.	SEALING DEVICE FOR A BEARING	August 14, 2000	011042/0507
1761.1031 D	10/254,579	September 26, 2002	Hisashi OHTSUKI, et al.	SEALING DEVICE FOR A BEARING	August 14, 2000	011042/0507
1761.1048	10/649,675	August 28, 2003	Katsufumi ABE	ROCKER ARM		
1761.1049	10/654,965	September 5, 2003	Hisashi OHTSUKI	WHEEL SUPPORT BEARING ASSEMBLY		

If there are any fees associated with the filing of this Statement and Certification, please charge and/or credit the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: November 19, 2003

By:  Reg. 28,607  
for David M. Pitcher  
Registration No. 25,908

DMP:sbh

1201 New York Avenue, N.W.  
Suite 700  
Washington, D.D. 20005  
Telephone: (202) 434-1512  
Facsimile: (202) 434.1501